

ABSTRACT OF THE DISCLOSURE

A connection management system (CMS) serializes bulk virtual circuit connection requests made to a connection creation system (CCS) that is responsible for establishing virtual connections between one or more end users and an ISP. The CMS uses a set of serialization parameters to evaluate a set of conditions. The results of the evaluations are used to serialize sending bulk virtual circuit connection requests to the CCS for provisioning. In effect, the sending of a bulk virtual circuit connection request is delayed until a prior bulk virtual circuit connection request completes, whether successfully or unsuccessfully. In addition, a bulk virtual circuit connection request can be re-submitted in the event of a failed prior request or a prior request that remains pending for an unexpectedly long duration.